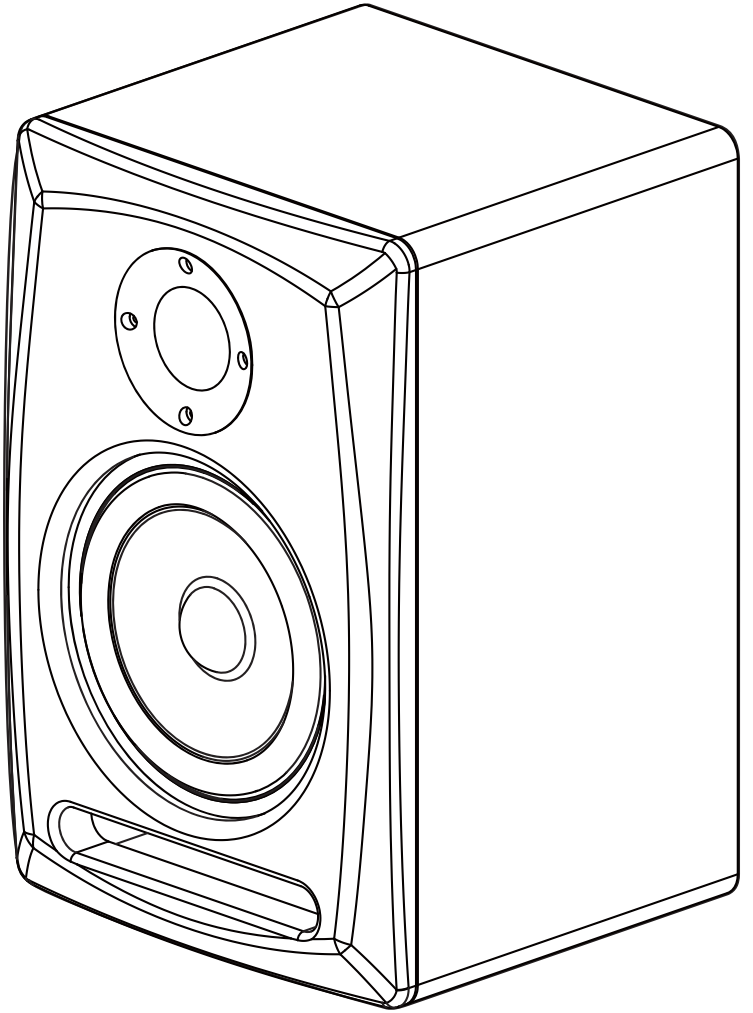
VOXOA

K50

Monitor Speaker

专业监听音箱



User Manual

使用说明书

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重要安全指示

1. **阅读说明书 -** 操作本产品前应先阅读所有安全性及操作说明。
2. **保留说明书 -** 安全性及操作说明应妥善保存供未来参考用。
3. **留心警告 -** 所有在本产品及操作说明上的警告都要遵守。
4. **参照说明书 -** 需参照所有操作及使用说明。
5. **水和湿气 -** 在操作本产品时绝对不要靠近水-例如靠近浴缸、脸盆、洗碗槽、洗衣盆、游泳池、及在潮湿地下室等等。禁止将装有液体的容器，例如花瓶，酒瓶等至于本产品上。
6. **移动平台及固定台面 -** 本产品只能使用在制造商所建议的移动平台及固定台面。本产品与移动平台的组合在移动时应特别注意。突然地停止，过大的外力及不平衡的表面，都会造成本产品在移动平台上翻覆。

7. **墙壁或天花板架置 -** 本产品应只参照制造商所建议的方式来架置在墙壁或天花板上。
8. **高温 -** 本产品应远离热气来源，例如散热器、暖器、火炉或者其他会产生高温的用品(包含扩大机)。
9. **电源 -** 本产品只能照电压标签所示来操作。如果你不确定你住家的电源的种类，请谘询你的产品卖家或当地电力公司。若本产品需要用电池或其他电源，请参照操作说明书。
10. **接地与电极 -** 本产品可能供给极化交流电插头。插头只有一个方向插入插座。这是一个安全装置，如果没办法完全插入插座，请试著把插头反方向。如果插头仍无法插入插座，请连络电工来更换插座，请勿毁损安全性为考量的插头。
11. **电源线的保护 -** 电源供应线应该妥善规划布线的路径，避免被其他物件所缠绕。应特别注意所使用的插座是否与电源供应线的插头吻合，这插座要靠近本产品的使用地点。
12. **清洁 -** 本产品须依照制造商所建议的方式做清洁。清洁本产品应使用柔软的乾布清洁。
13. **交流电供电零件 -** 维修完成后在交还产品给使用者前，应使用电阻测量表测量交流电插头及所有暴露在外的金属零件，电阻值应大于100k欧姆。
14. **长时间未使用 -** 本产品在长时间未使用的状况下，应将插头拔除。
15. **物体及液体进入 -** 小心不要让物体掉入及液体流进本产品里。
16. **损坏需求服务 -** 当A.电源线或插头已经毁损；或B.异物或液体掉进本产品；或C.本产品暴露在雨中；或D.操作或功能不正常；或E.本产品被摔落或内部损坏时，应送回合格的服务人员处进行维修。
17. **售后服务 -** 除了操作说明书所提到的正常操作外，使用者不应进行其他不当操作或试图自行维修。当本产品有问题时应请教合格的维修服务人员或送回合格的维修站进行维修服务。

重要安全指示

18. **保持本产品在空气流通的环境中 -** 本产品上的散热孔提供流通的空气，以避免本产品在操作时产生过热的现象。这些为保持本产品空气流通的散热孔严禁被阻隔或被其他物品覆盖。特别是较柔软的表面，例如床，沙发及地毯等等。本产品不应被安装在内建的空间内，例如书橱及架子，除非能够依制造产商所规范的空气流通指示建构。
19. **连接安装 -** 请勿安装非本产品制造商所建议的连接器材，以避免本产品遭受损害。
20. **配件 -** 请勿将本产品放置在不稳定的移动推车，三角架，支撑架或桌子上。本产品可能会掉落因而使小孩或是成人受伤，并且本产品会受到严重的损害。只能使用制造商所建议的移动推车，三角架，支撑架或桌子，或是与本产品一起销售的配件。必须依制造商指示安装本产品，并且安装的配件必须使用制造商所建议的。
21. **闪电 -** 为保护本产品在风雨期间不受到闪电的影响及侵害，当本产品长时间不使用时将插头拔除，并拆除天线。这将保护本产品免于受到闪电及电源突然增加的损害。
22. **替换零件 -** 当需要替换零件时，请确保维修技术人员使用制造商所指定的零件或是与原零件具有相同特性的替代品。未经授权的替代零件会导致过热著火，电磁冲击或其他严重的损害。
23. **安全性检查 -** 本产品在进行维修或任何服务时，请要求维修服务人员进行安全性检查，以确保本产品在正确地操作状况下。

警 告

严禁本产品暴露在下雨及潮湿的环境之中，以降低起火及触电的危险。本产品避免暴露在会滴水及会溅到水的环境中。装有液体的容器绝对禁止放在本产品上，例如酒瓶，花瓶等等。

注意:严禁打开机盖以降低触电的风险。维修及更换零件请谘询维修中心合格的维修工程师。

三角形中有个箭头的闪电标志是为了警告在产品内部因未绝缘而可能产生的高压电，这高压电会造成触电的危险。

三角形中有个惊叹号是为了提醒使用者重要的操作及维护指示。

注 意

为了杜绝触电的危险，请勿使用不合规格的插座。应使用插头能够完全插入插座的插孔。

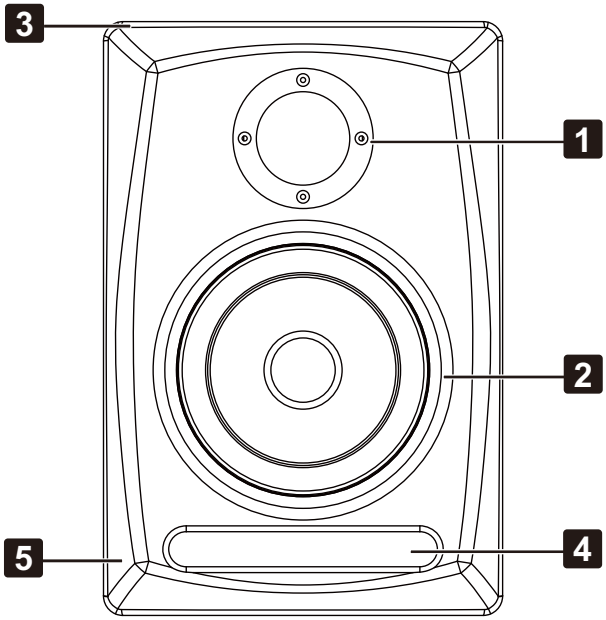
主要特色

VOXOA K50监听音箱提供了精确流畅悦人耳目的音质。

- 两音路具有导风孔与精心设计的音箱本体的主动监听音箱，为录音室,后期制作和多媒体播放提供极为精确的监听。
- 采用编织碳纤维,，丁基合成橡胶环绕的低音喇叭，为监听提供紧实及可控制的低频响应。
- 1.25寸丝膜圆顶钕磁铁的高频扬声器，为低失真的K50提供了柔和和精确的高频响应。
- 双通道的功放系统，具有50瓦的低频功率和25瓦的高频功率。
- 对于从下到上的线性响应,采用多级设计的主动分频。
- K50有一个1/4英寸TRS平衡输入接口和一个RCA非平衡输入接口,可连接监听到大多数任何-10或+4dB信号源,快捷而简易。
- 对于多媒体应用所特殊设计的A/V屏蔽功能,可以避免对电脑监视器造成干扰。
- MDF（中密度纤维板）的结构，非常监固，提供最大声压级。
- K50系列监听适合任何场合，黑高亮光漆面板与黑色纹理箱体的搭配，放在控制室内能增强吸引力。
- 一年保修期。

部件名称与功能

前面板



1. 1.25英寸的丝膜圆顶高频扬声器

丝膜圆顶高频扬声器与铁流体冷却的钕磁铁提供提供了清晰，精确，柔和与线性高频响应的低失真K50。

2. 低频驱动器

定制设计的编织碳纤维，共聚物丁基合成橡胶环绕的低音喇叭为监听提供紧实及可控制的低频响应。

3. 外壳

坚固的MDF（中密度纤维板）的结构。

4. 导风口

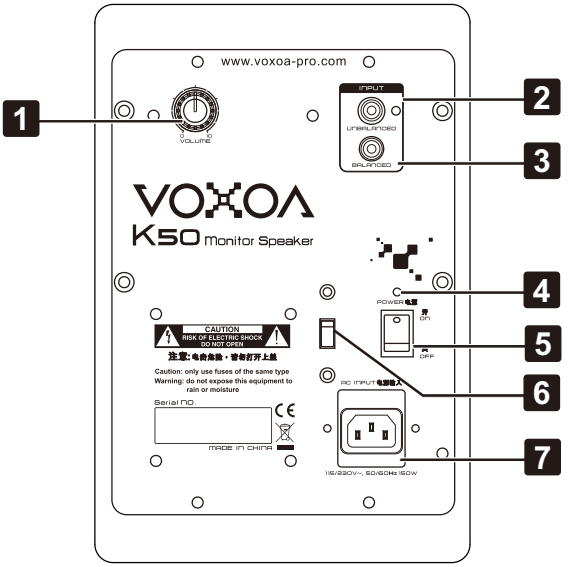
静音的通风口设计为低频响应提供线性扩展。

5. 表面处理

有光滑的黑色亮光漆表面与黑色纹理的箱体。

部件名称与功能

后面板



1. 音量

控制输出电平量。

2. RCA输入

用于连接非平衡，-10dBV设备的信号。

3. 1/4-INCH 输入

平衡TRS（尖端，环，套筒）1/4英寸插头，用于连接平衡或非平衡+4 dBu线性电平信号。

4. 电源指示灯

绿色指示灯灯亮，表示机台已经通电，准备运行。

5. 电源开关

主电源开关。

6. 电压开关(115/230V)

用于选择运行电压。

注 意: 一定要检查电压设置,并设为你所在国家的正确电压。

7. 交流电接口

此处连接所提供的IEC电源线。

K50监听音箱的特色

K50监听音箱是自带功放的双通道近场监听音箱。它具有强大的驱动，先进的电子设备和定制设计的驱动单元；对于原始的高频部分，拥有1.25英寸的丝膜圆顶高音单元，以及以人为本的波导设计。

铁磁流体器件的运用及外部散热片的使用，使得高音喇叭的设备部分能够有极好的冷却，加强功率的处理。从而获得一个宽的线性反应，产生柔和清晰准确的高频音效。

为了保真低频部分，K50运用专业的编织碳纤维重低音技术和光纤超重低频扩音器。匹配良好的低音音箱定制的箱体提供强而有力和有重点的低音频率响应。

分频器的交叉点都经过精心设计与高品质的组件以保证线性频率和相位响应。

K50的箱体由MDF中密度纤维板制造。乙烯基覆盖绘有油漆光泽黑色挡板，有很好的防磨损性。

音箱的外壳还包括一个特制的通风口，提供了低频响应的扩展，并具有低紊流设计，低频驱动器可以把对整体阻抗的影响降到最低。

在机箱后部，你会发现K50控制面板。设有各种各样的输入连接，包括一个1/4英寸TRS平衡输入和RCA非平衡输入。这些输入连接到K50内部的有源分频和两个功放单元，一个是50W的低频低音单元，一个是25W的高频高音单元。

K50后方设有音量旋钮；可以调节内部功率放大器的总音量大小来控制音量。

K50监听音箱的摆设

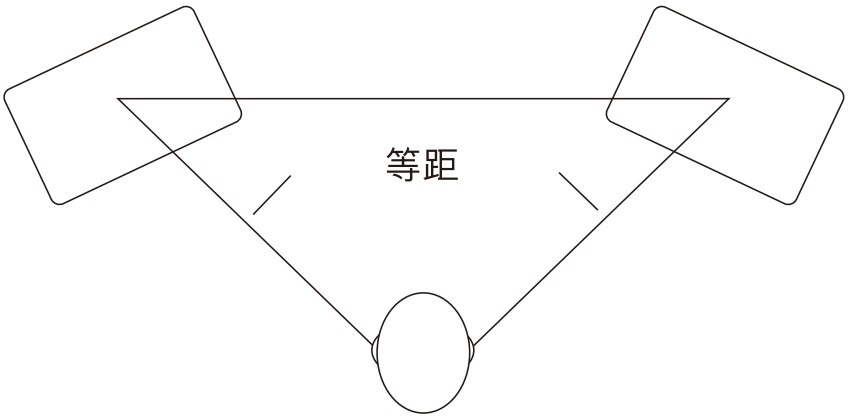
由于监听音箱的独特功能：最大限度的降低室内声音，在一些大型和小型工作室，近场监听已经成为越来越多的工程师的选择。

由于牵扯到经费预算，室内声学常常被认为是一无是处，毫无作用和重要性，所以对当下的工程播音来说，近场监听尤其重要。

通过在近场（靠近听众）定位监听音箱，可以大大减少室内声学效果。室内声学效果进行评估时，最重要的考虑因素是，监听区域周围的反射表面。这些可以包括平坦的桌面，玻璃镜或镶框的照片，大型开放式的墙壁，甚至你的调音台的表面。

大多数反射的声音最终会到达聆听位置，但是反射声源由于距离等因素会跟直接声源有稍许延迟，造成了一些声音频率的缺失或梳状滤波。如果可能的话，删除任何及所有的反射表面。您可能还需要在靠近监听音箱的地方，把一些吸音棉挂在墙壁上。

当设定监听音箱位置的时候，你通常想要设置一个结构，阻止声音的反射，这就是人们通常说的“混合金三角”。在这个理想的金三角构造里面， 左、右监听音箱和听众，他们三者之间的距离是一致的，从而在距离上形成了一个等边三角形。



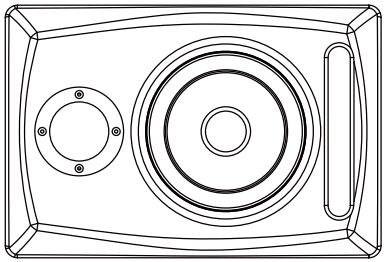
K50监听音箱的安装

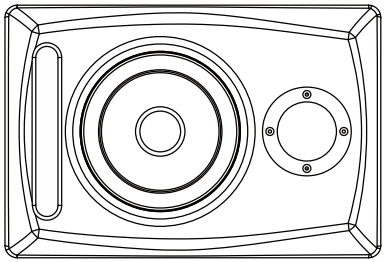
喇叭定位

K50监听音箱可以水平放置或垂直桌面放置使用

当监听音箱垂直桌面放置使用时，K50可发挥最好的功效。

当监听音箱水平放置使用时，应该确保放置平稳，并将左侧和右侧的高音喇叭放在最外层的两侧(如图)，这将会透过加倍低端驱动耦合，大大提高立体成像的低音响应。





当选择监听设备的高度的时候，请尽量避免混音器本身造成的反射。这些反射会使得原始声某些音频缺失及产生不可预测的反应，破坏原音质。可视化的直线表示从监听音箱的声源到选择一个合适的高度（从而减少反射造成音质变化的发生）到总听点结束。在多数情况下，理想的高度是监听音箱放置的高度稍微高于混音器的桌面高度。

K50的连接

1.请关掉混音器的主输出

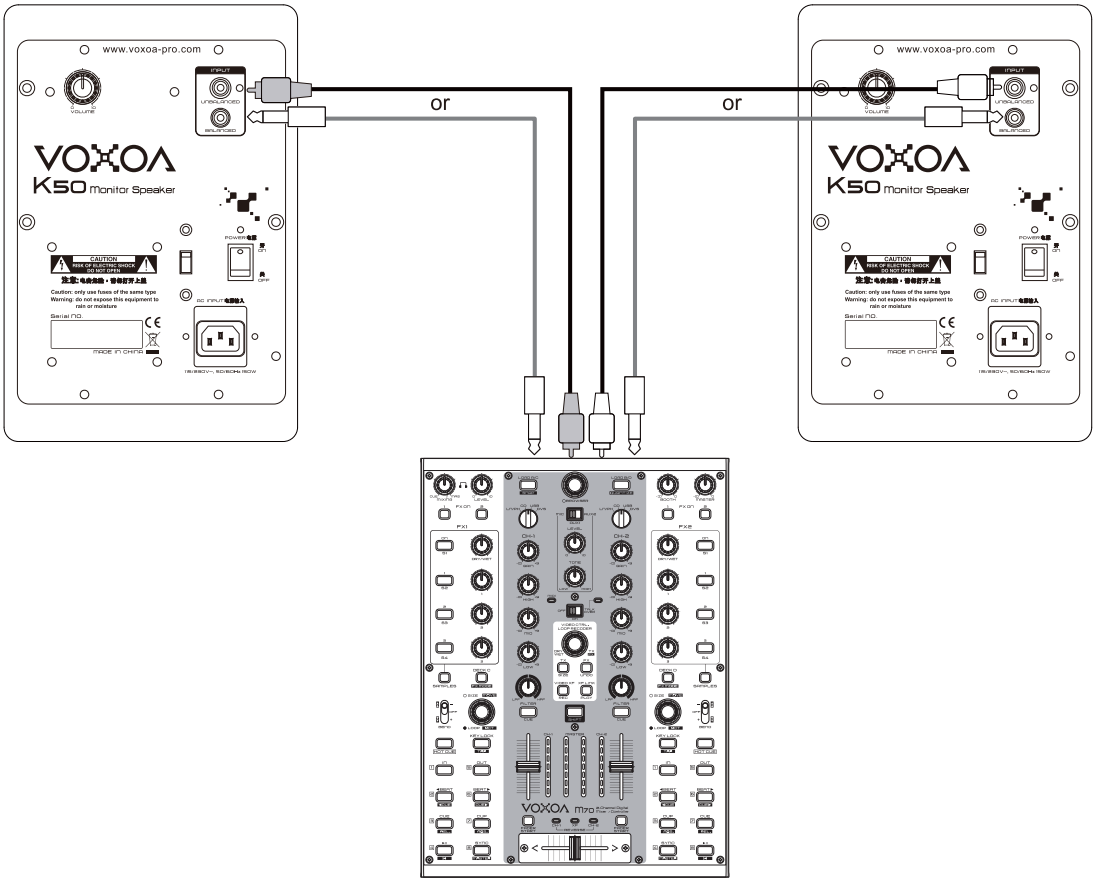
2.将混音器左边控制室音源输出连接到左边K50的信号输入。连接混音器右边控制室音源输出到右边K50的信号输入。

3.将K50输入的声音控制到2点位置。

4.通过混音器播放音频信号（比如说CD里面的音乐），然后调节控制室声音输出，把声音调整到舒适的听力范围。

K50监听音箱的安装

注意：在开启或者关闭监听音箱时，请遵守：“最后开启，最先关闭”原则。当启动系统前，请确保所有的的设备都已经连接好了，混音器和外接设备都启动了，然后再打开K50。当关闭电源时，先关K50，然后再关混音器和其它的外接设备。您可以将音源接到K50后面板的两个输入端子。一个输入端子是-10dBd 非平衡式RCA端子，另一个是+4dB平衡式1/4 inch端子。遵循这些简单的步骤，下图为快速连接一个混音台和两个K50监听音箱的示意图。



K50的操作

K50控制面板

电源插口和音频信号端子都在K50后部的控制面板上。控制面板上有总音量的调节旋钮。下部分详细描述了后面板控制和连接。

1. K50电源

因为K50属于有源音箱，内置有功放和电子分频器，所以必须外接交流电源供电。在接通电源前请先确保K50的电源开关是处于OFF的位置。

2. 如何减少电流声

在通电前，注意不要使AC电源线或者AC延长线与输入线平行。这可以帮助减少电流声。如果您确实需要将音频线穿过AC电源线，请以90度角穿过，这样可以尽可能的减少电流声。使用K50的平衡输入端子也可以大大减少电流声，因为共模抑制（感应的杂音被逐渐取消）是由平衡输入电路提供的。

3. 电源开关

电源开关是用来启动K50监听音箱。当设定在ON的位置，LED灯将亮绿灯，表示K50启动并运行准备就绪中。

4. AC插口

用于连接IEC电源线的。

5. 音量旋钮

音量旋钮是用来调节K50整体输出音量大小的。打开K50电源开关前，需要将音量旋钮调到最小的位置。启动K50后，再慢慢旋转音量旋钮使音量处于一个合适的位置。

6. 输入和输出

K50的特色是其输入连接器可以很方便的与各种音频设备相连接，如录音控制台、硬盘录像机、CD播放器和电脑声卡等等。

7. 1/4 inch 音频输入

平衡的1/4 inch TRS（尖端、环形、套管）插头是用来连接平衡式或非平衡式线性信号的。

8. RCA音频输入

RCA输入可以接受非平衡信号，用于连接 -10dB的非平衡设备。

规 格

喇叭单体

低音扬声器：5.25”(133mm)，碳素纤维编制丁基合成橡胶的低音扬声器。
高频扬声器：1.25 inch (31.75mm)丝膜圆顶钕磁铁的高频扬声器。
频率响应：70Hz - 20KHz

额定功率

低频：输出功率50W
高频：输出功率25W
交叉频率：2.3KHz，多级过滤

输入

非平衡式：-10dB (连接头：RCA)
平衡式：+4dB　(连接头：1/4-inchTRS，尖端环形套管）

箱体

结构：MDF（中密度纤维板）
表面：黑色纹理的乙烯基覆盖，涂光泽黑色挡板
尺寸：188mm（宽）x 288mm（高）x 215 mm（深）
重量：5.8 Kg

备忘录

本手册中的规格及资讯如有变更，恕不另行通知，请上网下载最新版本。
www.voxoa-pro.com

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use the apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding- type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/ accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lighting storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. When the mains plug or appliance coupler used as the disconnect device, it shall remain readily operable.
16. Please keep the unit in a good ventilation environment.

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : To reduce the risk of electric shock, do not remove any cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.

The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the use to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.

CAUTION

To prevent electric shock, do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

IMPORTANT SAFETY INSTRUCTIONS

17. All warnings on the appliance and in the operating instructions should be adhered to.
18. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
19 .Power Sources - This product should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer the operating instructions.
20. Grounding or Polarization - This product may be equipped with a polarized alternation-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
21. Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the cord in correspondence of plugs, convenience receptacles, and the point where they exit from the appliance.
22. For AC line powered units - Before returning repaired unit to user, use an ohm-meter to measure from both AC plug blades to all exposed metallic parts. The resistance should be more than 100,000 ohms.
23. Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
24. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
25. Damage Requiring Service - The appliance should be serviced by qualified service personnel when: A. The power-supply cord or the plug has been damaged; or B. Objects have fallen, or liquid has been spilled into the appliance; or C. The appliance has been exposed to rain; or D. The appliance does not appear to operate normally or exhibits a marked change in performance; or E. The appliance has been dropped, or the enclosure damaged.
26. Servicing - The user should not attempt any service to the appliance beyond that that described in the operating instructions. All other servicing should be referred to qualified service personnel.
27. Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
28. Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
29. Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

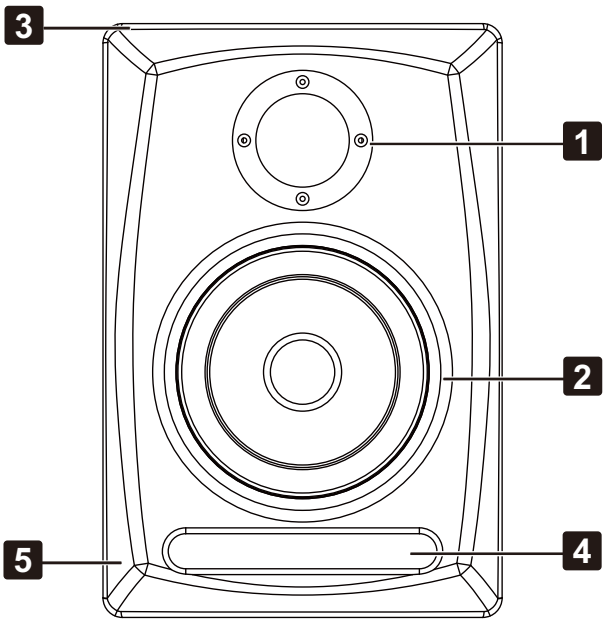
MAIN FEATURES

The VOXOA K50 monitors provide a smooth response that is accurate, and at the same time, pleasant to listen to.

Main features:

- Two-way, active studio monitor with ported, tuned enclosure, providing extremely accurate monitoring for recording studio, post-production and multi-media applications.
- The K50 Series employs woven carbon fiber, butyl surround woofers, and as a result, each monitor produces a tight and controlled low frequency response.
- 1.25-inch silk-dome tweeter with Ferro fluid cooled neodymium magnet, provides sweet and accurate high frequency response for the K50 series with low distortion.
- The K50 features active electronics including a Bi-Amp power amplifier with 50 watts of low frequency power and 25 watts for the high frequency power .
- Active crossover utilizing a multi-pole design for linear response from bottom to top.
- Interfacing the monitors to most any -10 or + 4dB signal source is quick and easy thanks to the K50 assortment of input connectors. The K50 has a balanced input on a TRS 1/4-inch jack and unbalanced input on an RCA jack.
- A/V shielded for multimedia applications providing clean operation near computer monitors.
- MDF (Medium Density Fiberboard) construction, extremely rigid, delivering maximum SPL.
- The K50 monitors fit in any decor and thanks to their black lacquer finished baffle, they provide an attractive enhancement to any control room.
- One-year extended warranty.

FRONT PANEL



1. 1.25–Inch Silk-Dome Tweeter

Silk-dome tweeter with Ferro fluid cooled neodymium magnet provides low distortion with a linear high frequency response resulting in a clear, precise and sweet top end.

2. Low Frequency Driver

Custom designed woven carbon fiber, copolymer butyl surround woofers providing each monitor with a tight and controlled low frequency response.

3. Enclosure

Rigid MDF construction.

4. Tuned Port

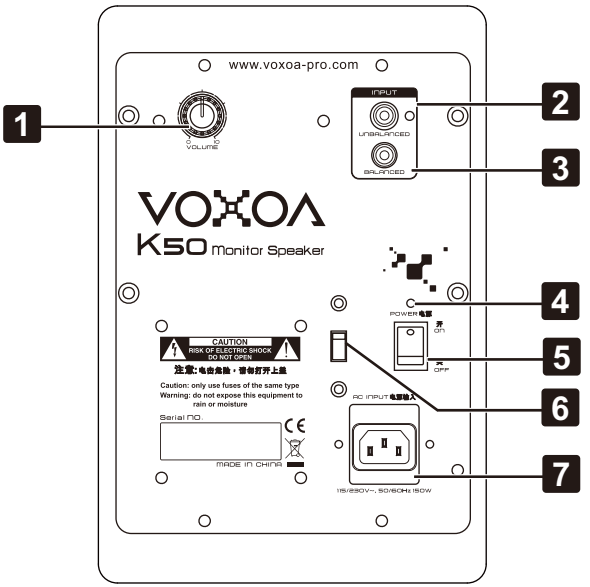
Quiet port design offering linear extended low frequency response.

5. Finish

Sleek black textured finish with gloss black baffle and titanium finished waveguide and trim ring.

PART NAMES AND FUNCTIONS

REAR PANEL



1. Volume

Controls the amount of output level.

2. RCA Input

Used to connect signals from unbalanced,–10dBV devices.

3. 1/4-Inch Input

Balance TRS (Tip, Ring, Sleeve) 1/4-inch plug used to connect balanced or unbalanced +4dBu line level signals.

4. Power LED

Green LED illuminates indicating the unit is powered on, ready for operation.

5. Power Switch

Main power switch.

6. Voltage Switch (115/230 V)

Used to select the operating voltage.

NOTE: Be sure to check the voltage setting is correct for your country.

7. AC Inlet

Connect the supplied IEC power cable here.

FEATURES

The K50 are self-powered, 2-way, near-field reference monitors, featuring robust power, advanced electronics and custom designed drive units. For pristine highs, the K50 boasts a 1.25-inch silk dome tweeter, set upon a custom designed waveguide.

The tweeter's voice coil is cooled with Ferro fluid and the use of an external heat sink adds to its increased power handling. The result is a wide, linear response producing high frequencies that are sweet, while clear and accurate.

For the low frequency response, the K50 employs proprietary low frequency woofers with woven carbon fiber cones, butyl surrounds and heavy duty motors. The woofers are well matched to the tuned enclosures and provide punchy and focused bass frequency response.

The monitors' crossovers have been carefully designed with high quality components insuring a linear frequency and phase response.

The K50 enclosures are constructed from MDF (Medium Density Fiberboard) and are finished in scuff resistant, vinyl covering with painted gloss black baffles.

The monitor's enclosures also include a tuned vent port that provides extended low-end response, and with a low turbulence design, the low frequency driver can move freely with minimal effect on the overall impedance.

On the rear of the enclosure, you'll find the K50 control panel, which features a variety of input connections including a 1/4-inch TRS balanced input and an RCA unbalanced input. These inputs are connected to K50 internal active crossover and bi-amp power module providing 50 watts of power for the low frequency woofer and 25 watts of power to the high frequency tweeter.

You will also find the pre-amp controls, Volume knob, used to adjust the overall level of the internal power amplifier. The K50 has been designed to provide flat, accurate monitoring.

POSITIONING THE K50

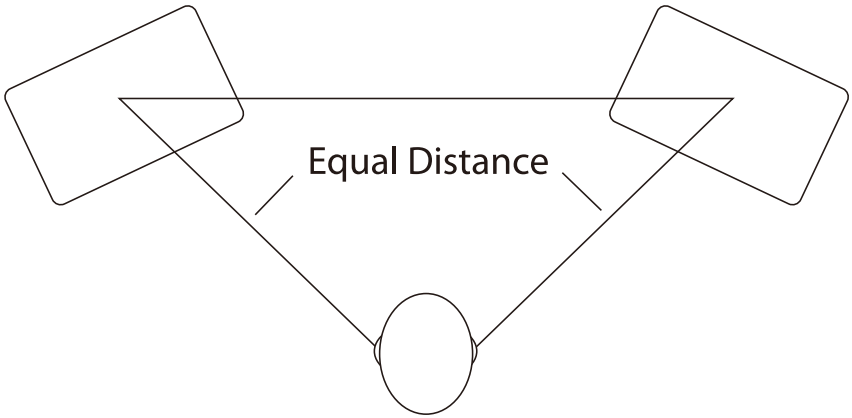
Near field monitoring has become the choice of many engineers in large and small studios because it minimizes the effect of room acoustics.

This is especially important in today's project studios since the budget for room acoustics is often close to nothing.

By positioning the reference monitors in the near field (close to the listeners), you can greatly reduce the effects of room acoustics. The most important considerations when evaluating the effects of room acoustics are reflective surfaces that are around the monitoring area. These can include flat tabletops, glass mirrors or framed pictures, large open walls and even the surface of your mixing console.

Mostly all reflecting sound will eventually reach the listening position, but since it is slightly delayed from the direct source, the result is random cancellation of some frequencies, or comb filtering. If possible, remove any and all reflective surfaces. You may also want to hang some acoustic foam on walls that are close to the monitors.

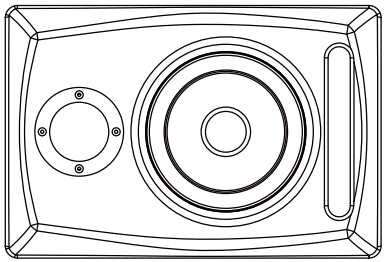
When positioning the monitors, you'll want to set up what is commonly referred to as the "mix triangle". In this ideal configuration, the space between the left and right monitor is equal to the distance from the listener to each monitor, forming an equilateral triangle.

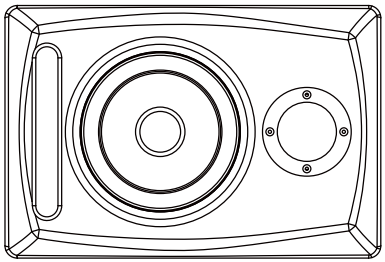


SETTING UP THE K50

Speaker Orientation

The K50 Series can be used in either the vertical or horizontal position, however for best results they should be set up in the vertical position. When using the monitors in the horizontal position, be certain to place the left and right side tweeters on the outer most sides. This will improve the stereo imaging and bass response by increasing the coupling of the low-end drivers.





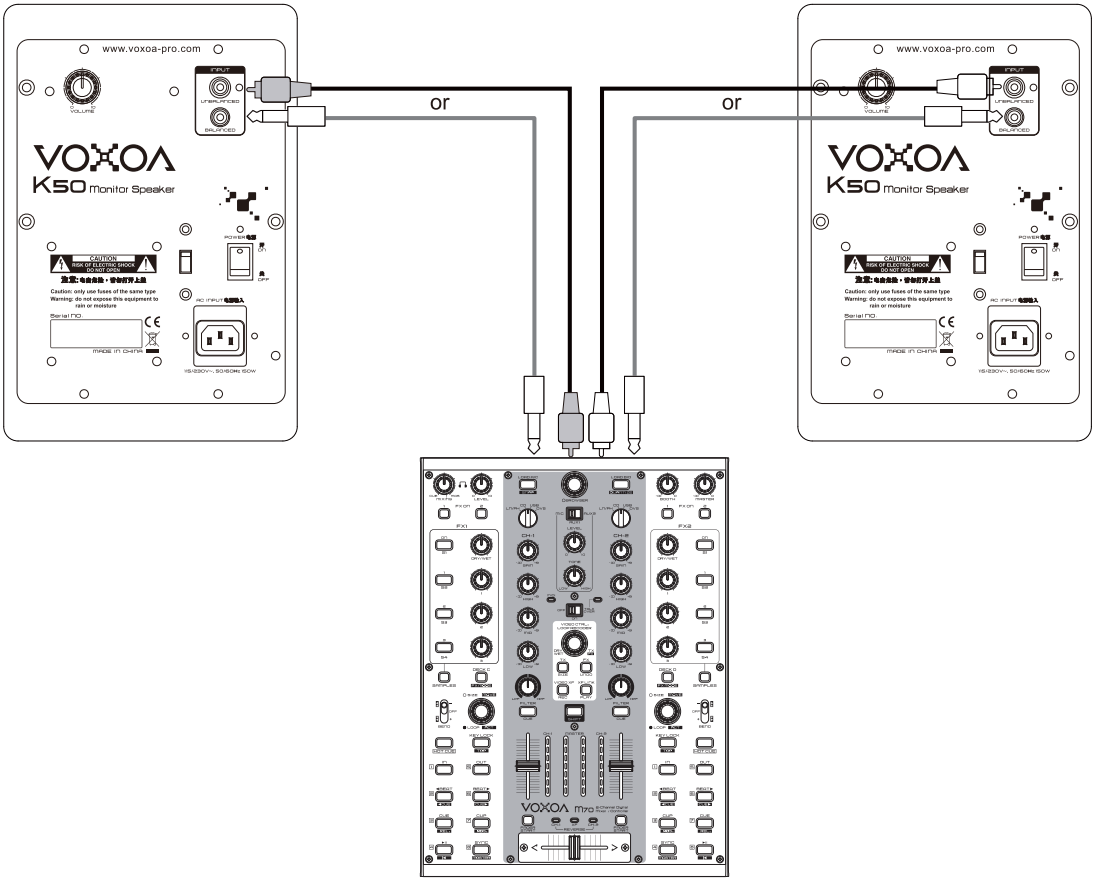
When choosing the height of your monitor system, be careful to avoid reflections off the surface of the mixing console. These reflections arrive at the listening position slightly delayed from the original sound resulting in strange cancellations and overall unpredictable response. Visualize straight lines representing the beams of sound radiating from the monitors and choose a height that reduces the occurrence of reflections that will end up in the prime listening spot. In most cases, the ideal position is slightly behind and above the mixing console's meter bridge.

Connecting the K50

- Lower your mixer's master outputs to all the way off.
- Connect the mixer's Left Control Room output to the left-side K50 LINE INPUT and the mixer's Right Control Room output to the right-side K50 LINE INPUT.
- Set the K50 input Volume control to the 2 o'clock position.
- Run an audio signal (like some music from a CD) through your mixer and raise the Control Room level to a comfortable listening level.

SETTING UP THE K50

NOTE: Before plugging in and turning on, remember the “last on, first off” rule of power amplifiers (and powered monitors). When powering up your system, be sure that all the wires are connected, turn your mixer and any other outboard gear on, and then last turn your K50 on. When powering down, turn your K50 off first and then your mixer and outboard gear.The K50 connections can be made via one of the two rear panel Audio Inputs. You can use RCA inputs for unbalanced -10dBV level signals, or either the 1/4-inch inputs for balanced, +4dBu level signals.Follow the simple steps and diagram below for a quick connection using a standard recording console’s control room outputs.



OPERATING THE K50

K50 Control Panel

The K50 rear control panels are where you will make your connections for both AC power and audio signals. The rear panel also contains the controls to make adjustments to the overall volume. The following section details the rear panel controls and connections.

1. Powering the K50

Since the K50 are active studio monitors with an on-board power amplifier and electronic crossover, it is necessary to connect the unit to an AC power supply. Make sure that the main Power switch is set to the OFF position and connect the supplied IEC power cable into the AC inlet.

2. Things that go Hum!

When running power cables, be careful not to run the AC power cords or AC extension cords in parallel to your input cables. This will help reduce any AC hum that can be picked up. If your have to cross an AC line with an audio line, try to cross them at a 90 degree angle for the least amount of induced hum. Using the K50 balanced input connectors will greatly protect against the induced hum thanks to the common mode rejection (the induced hum is phase canceled) that it's balanced input circuit provides.

3. Power Switch

The POWER switch is used to turn on the K50 active electronics. When set to the ON position, the LED will illuminate red, indicating the K50 is powered up and ready for operation.

4. AC Inlet

Connect the supplied IEC power cable here.

5. Volume Control

The volume control is used to adjust the overall output level of the K50 .When operating the unit for the first time, start with the volume control set all the way off. Slowly raise the Volume control to reach a comfortable listening level.

6. The Ins and The Outs

The K50 features a full complement of input connectors providing easy installation with a variety of audio devices like recording consoles, hard disk recorders,CD players and computer sound cards, to name a few. The following section details the K50 input connectors. In addition, there is a detailed cable-wiring diagram on page 12.

7. 1/4-Inch Audio Phono Input

A balanced TRS (Tip, Ring, Sleeve) 1/4-inch phono plug is used to connect balanced or unbalanced line level signals.

8. RCA Audio Input

The RCA input accepts unbalanced signals used to connect signals from unbalanced –10dBV devices.

SPECIFICATIONS

SPEAKER UINT

WOOFER : 5.25”, (133mm) Woven Carbon Fiber Woofer With Butyl Surround

TWEETER :1.25-inch (31.75mm) Silk Dome , Ferro-Fluid Cooled Tweeter

FREQUENCY RESPONSE : 70Hz - 20KHz

POWER RATING

LOW-FREQUENCY : 50 Watts RMS

HIGH-FREQUENCY : 25 Watts RMS

CROSSOVER FREQUENCY : 2.3KHz, multi-pole filter

INPUTS

UNBALANCED : -10dBV Line Level (CONNECTOR : RCA)

BALANCED : +4dBu Line Level (CONNECTOR : 1/4-inch Phone TRS, Tip Ring Sleeve)

ENCLOSURE

CONSTRUCTION : MDF (Medium Density Fiberboard)

FINISH : Black Textured Vinyl covering, painted gloss black baffle

DIMENSIONS : 188mm (W)x 288mm (H)x 215mm (D)

WEIGHT : 5.8 kg

NOTE

Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

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